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Appln. of: Schreiber Scrial No.: 10/735,706 Filed: December 16, 2003

## **AMENDMENTS TO THE CLAIMS**

1. (Currently Amended) A method for the joining of TiAl components with a braze having a melting temperature lower than a melting temperature of the TiAl components, comprising:

aligning the TiAl components to form a braze joint therebetween into which molten braze can be deposited;

depositing the braze into the braze joint;

heating the braze with a laser beam to a temperature at which the braze is molten but which temperature is below a melting temperature of the TiAl components, so that the braze adheres to the TiAl components;

limiting heating of the TiAl components to an amount insufficient to 1) change <u>athe</u> structure of the components; <u>ander 2)</u> substantively change the dimensions of the components due to thermal expansion.

- 2. (Cancelled)
- 3. (Cancelled)
- 4. (Previously Presented) A method in accordance with Claim 1, wherein TiAl sheets are joined.
- 5. (Original) A method in accordance with Claim 4, wherein the components are joined with a braze gap.
- 6. (Original) A method in accordance with Claim 5, wherein the components are butt-joined.
- 7. (Original) A method in accordance with Claim 6, wherein joining is accomplished under protective gas.
- 8. (Original) A method in accordance with Claim 7, wherein the components are positioned relative to each other at room temperature and under atmospheric pressure.

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- 9. (Original) A method in accordance with Claim 8, wherein a ductile braze is used.
- 10. (Currently Amended) A method in accordance with Claim 9, wherein the molten bath is protected from sagging by means of a backing bar.
- 11 (Original) A method in accordance with Claim 10, wherein the braze is fed in the form of a wire.
- 12. (Original) A method in accordance with Claim 10, wherein the braze is fed in the form of powder.
- 13. (Cancelled)
- 14. (Cancelled)
- 15. (Cancelled)
- 16. (Cancelled)
- 17. (Cancelled)
- 18. (Cancelled)
- 19. (Cancelled)
- 20. (Cancelled)
- 21. (Original) A method in accordance with Claim 1, wherein the components are joined with a braze gap.
- 22. (Original) A method in accordance with Claim 1, wherein the components are butt-joined.
- 23. (Original) A method in accordance with Claim 1, wherein joining is accomplished under protective gas.

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- 24. (Original) A method in accordance with Claim 1, wherein the components are positioned relative to each other at room temperature and under atmospheric pressure.
- 25. (Original) A method in accordance with Claim 1, wherein a ductile braze is used.
- 26. (Currently Amended) A method in accordance with Claim 1, wherein the molten bath is protected from sagging by means of a backing bar.
- 27. (Original) A method in accordance with Claim 1, wherein the TiAl components are joined with a filled joint.
- 28. (Original) A method in accordance with Claim 1, wherein the TiAl components are joined by an overlapping joint.
- 29. (Original) A method in accordance with Claim 1, wherein the TiAl components are joined without a braze gap.
- 30. (Original) A method in accordance with Claim 4, wherein the TiAl components are joined with a filled joint.
- 31. (Original) A method in accordance with Claim 4, wherein the TiAl components are joined by an overlapping joint.
- 32. (Original) A method in accordance with Claim 4, wherein the TiAl components are joined without a braze gap.
- 33. (Previously Presented) A method in accordance with claim 1, wherein the braze is melted prior to deposition into the braze joint.
- 34. (Previously Presented) A method in accordance with claim 1, wherein the braze is melted after deposition into the braze joint.

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35. (Previously Presented) A method in accordance with claim 1, wherein the braze is melted during deposition into the braze joint.